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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,565	08/05/2005	Hozumi Ueda	05362.0038	3080
22852	7590 05/19/2006		EXAMINER	
FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER LLP 901 NEW YORK AVENUE, NW			LE, TUNG X	
			ART UNIT	PAPER NUMBER
	WASHINGTON, DC 20001-4413			
			DATE MAILED: 05/19/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

			H-				
•		Application No.	Applicant(s)				
Office Action Summary		10/506,565	UEDA ET AL.				
		Examiner	Art Unit				
		Tung X. Le	2821				
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the c	orrespondence address				
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. O period for reply is specified above, the maximum statutory period vere to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1)⊠	Responsive to communication(s) filed on 05 At	ugust 2005.					
,—	This action is FINAL . 2b)⊠ This action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
4)⊠	Claim(s) <u>1-9</u> is/are pending in the application.						
-	4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	5) Claim(s) is/are allowed.						
6)⊠	Claim(s) <u>1-9</u> is/are rejected.						
•	7) Claim(s) is/are objected to.						
8)	Claim(s) are subject to restriction and/o	r election requirement.					
Applicat	ion Papers						
9)	The specification is objected to by the Examine	ef.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
a,	1. Certified copies of the priority documents have been received.						
	Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
TANHO							
			PRIMARY EXAMINER				
Attachmen	ut(s)						
_	ce of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice	ce of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail D					
	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Pr No(s)/Mail Date 07/08/2005.	6) Other:	atent Application (FTO-192)				

Application/Control Number: 10/506,565 Page 2

Art Unit: 2821

DETAILED ACTION

1. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification. Thus, claims 1-9 are currently presented in the instant application.

Priority

2. The claimed priority for based on the international application fail to comply with PCT article 22(1) because the non-provisional application is filed after 30 months from the priority date. Therefore, the priority date 03-05-2002 for the instant application has not been considered. The effective date for this application is the filing date 8-05-2005 of the non-provisional patent application.

Claim Objections

- 3. Claims 8-9 are objected to under 37 CFR 1.75(c) as being in improper form because a multiple dependent claim cannot depend from any other multiple dependent claim. See MPEP § 608.01(n). Accordingly, the claims 8-9 are not been further treated on the merits.
- 4. Claims 2 and 5 are objected to because of the following informalities:

Claim 2, line 2, "the" (first occurrence) should be changed to -a--.

Claim 5, line 4, "and" (first occurrence) should be deleted.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

Application/Control Number: 10/506,565 Page 3

Art Unit: 2821

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 6. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Nantz et al. (U.S. 6,563,474 B2).

Regarding claim 1, Nantz discloses in figures 3-4 an antenna coil (column 3, lines 62-66) characterized in that a first coil (10) and a second coil (20) are coiled onto a core winding frame (40) such that their respective coil axes are orthogonal (see figure 4).

Regarding claim 2, Nantz discloses that a third coil (30') is wound to surround the aforementioned first coil (10') and second coil (20') and that its winding axis is orthogonal to the two aforementioned coils (see figure 4).

Regarding claim 3, Nantz discloses in figure 3 that the aforementioned third coil (30) is wound onto an insulated winding bar (40).

Regarding claim 4, Nantz discloses in figure 3 that the aforementioned various coils (10,20,30) have numbers of loops adjusted so the electrical field intensity and the magnetic field intensity are more or less equal (see column 5, lines 6-19).

Regarding claim 5, Nantz discloses in figures 3-4 an antenna coil (column 3, lines 62-66) characterized as having a flat bar-shaped base component (see figure 3), a first coil (10) wound such that its axis is the X-axis of the aforementioned base

Application/Control Number: 10/506,565

Art Unit: 2821

component; a second coil (20) wound such that its axis is the Y-axis of the aforementioned base component; a third coil (30) wound such that its axis is the Z-axis of the aforementioned base component; and such that there is a groove (40) in at least one part (column 4, lines 56-65).

Regarding claim 6, Nantz discloses that the aforementioned base component has a flat (see figure 3), approximately right-angled parallelepiped shape (see figure 3); tabs are provided on the eight corners (see figure 4) of the base component of the aforementioned tabs is oriented to become the lateral wall of the first groove (the groove at the first coil of the element 10') whereon the aforementioned first coil is wound; the second wall of the aforementioned tab members is oriented to become the lateral wall of the second groove (the second groove at the second coil of the element 20') whereon the aforementioned second coil is wound; the third wall of the aforementioned tab members is oriented to become the lateral wall of the third groove (the third groove at the third coil of the element 30') whereon the aforementioned third coil is wound (see figure 4).

7. Claims 1, 5, and 7 are rejected under 35 U.S.C. 102(e) as being anticipated by Yagi et al. (U.S. 7,042,411 B2).

Regarding claim 1, Yagi discloses in figure 3A an antenna coil (column 2, lines 50-55) characterized in that a first coil (6) and a second coil (7) are coiled onto a core winding frame (5) such that their respective coil axes are orthogonal (see figure 3A).

Regarding claim 5, Yagi discloses in figures 3A an antenna coil (column 2, lines 50-55) characterized as having a flat bar-shaped base component (see figure 2), a first

Art Unit: 2821

coil (6) wound such that its axis is the X-axis of the aforementioned base component; a second coil (7) wound such that its axis is the Y-axis of the aforementioned base component; a third coil (8) wound such that its axis is the Z-axis of the aforementioned base component; and such that there is a groove (11-13) in at least one part (see figure 2).

Regarding claim 7, Yagi discloses that the aforementioned flat-shaped tabs have a quarter-circle fan-shaped configuration (see figures 2-5).

Citation of Relevant Prior Art

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Sandberg et al. (U.S. 6,150,986) discloses an antenna system comprising driver circuits for transponder.

Bernstein (U.S. 5,281,941) discloses a coil form and coil for antenna coils or the like.

W. Funke et al. (U.S. 2,297,466) discloses a frame aerial.

Yoshida et al. (U.S. 2004/0061660) discloses a multiaxial antenna chip.

Inquiry

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung X. Le whose telephone number is 571-272-6010. The examiner can normally be reached on 8:30 AM - 5:30 PM.

Application/Control Number: 10/506,565 Page 6

Art Unit: 2821

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner Tung Le AU 2821 May 14, 2006

TAN HO PRIMARY EXAMINER